

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

500.35527CX2

SERIAL NO.

10/730,003

APPLICANT

T. SHIBA, et al

FILING DATE

December 9, 2003

GROUP

MAR 30 2006

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
						YES NO
ml	0 5 2 5 2 1 4 1	9/93	Japan			XX
ml	5 9 1 0 4 8 4 1	6/84	Japan			XX
ml	0 5 1 4 5 5 2 0	6/93	Japan			XX
ml	5 7 1 9 9 3 5 5	12/82	Japan			XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	S. Wadaka, et al, "Zero Range Side Lobe Pulse Compression Ultrasonic Inspection Method", MITSUBISHI, Mitsubishi Denko Giho 12, Special Edition "Electric Instrumentation" "Predicative Maintenance of Transforming Equipment", vol. 66, No. 12, 1992, Eng. Trans.. pp. 1-24.

EXAMINER *Siu Lee*

DATE CONSIDERED

1/7/2007

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 500.35527CX2	SERIAL NO. Not yet assigned
	APPLICANT T. SHIBA, et al	
	FILING DATE December 9, 2003	GROUP 2634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ml	5 1 4 4 6 3 9	9/92	Uchida et al	375	208	
ml	4 0 9 5 2 2 5	6/78	Erikmatz	342	195	
ml	5 3 7 5 1 4 1	12/94	Takahashi	375	208	
ml	5 3 8 1 4 4 4	1/95	Tajima	375	200	
ml	5 4 8 8 6 2 9	1/96	Takahashi et al	375	206	
ml	5 4 9 9 2 6 5	3/96	Dixon et al	375	200	
ml	5 5 3 0 6 9 7	6/96	Watanabe	370	342	
ml	5 6 4 6 9 6 4	7/97	Ushirokawa et al	375	346	
ml	5 2 1 8 6 2 0	6/93	Mori et al	375	142	
ml	5 5 7 6 5 9 0	11/96	Ohnishi et al	310	359	
ml	5 2 9 4 8 5 8	3/94	Nakahata et al	310	313A	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLAS S	SUBCLAS S	ABSTRAC T	
						Y	NO
ml	3 1 7 4 8 3 5	7/91	Japan	/	/	x	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ml	S. Minagawa, et al, "Sezawa Wave Correlator Using Monolithic ZnO/SiO ₂ /Si Structure" Proceedings of IEEE 1984 Ultrasonics Symposium, pp. 298-302, Dallas, TX.
ml	Niitsuma, et al, "Development of Zero-Bias and Surface Mounting ZnO/Si/ SAW Convolvers" Technical Report of IEICE, SST93-44.
ml	J. Gau, et al, "SAW Barker Code Correlator with Improved Sidelobes, IEEE 1985 Ultrasonics Symposium, pp. 145-145.

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	6 1 3 4 2 6 4	10/00	Shiba et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	T. Shiba, "Low Insertion Loss Surface Acoustic Wave Matched Filter with Low Sidelobe Sequence and Its Application for Spread Spectrum Communication" JPN, J. Appl. Phys. Vol. 35, Part 1, No. 5B, (May 1996), pp. 3024-3027.
	T. Shiba, "Low Loss Saw Matched Filters with Low Sidelobe Sequences and Spread Spectrum Application", Multimedia Systems R&D Division, Research Institute of Electrical Communication, ISSSTA, 1996.

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